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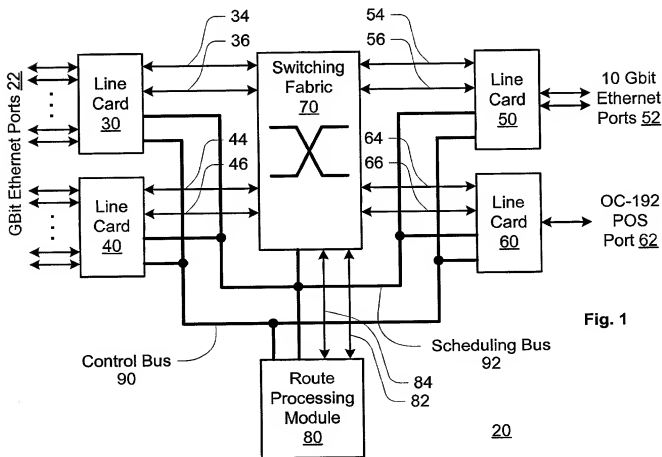


Fig. 1

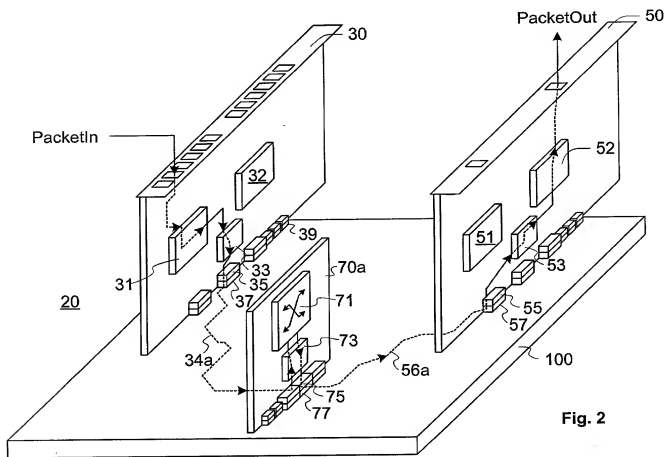


Fig. 2

200902081499001

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100

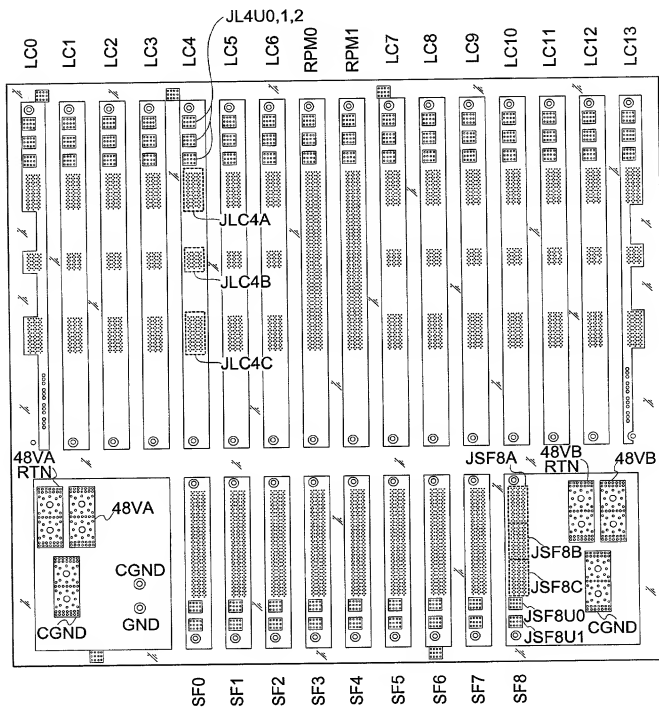


Fig. 3

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100

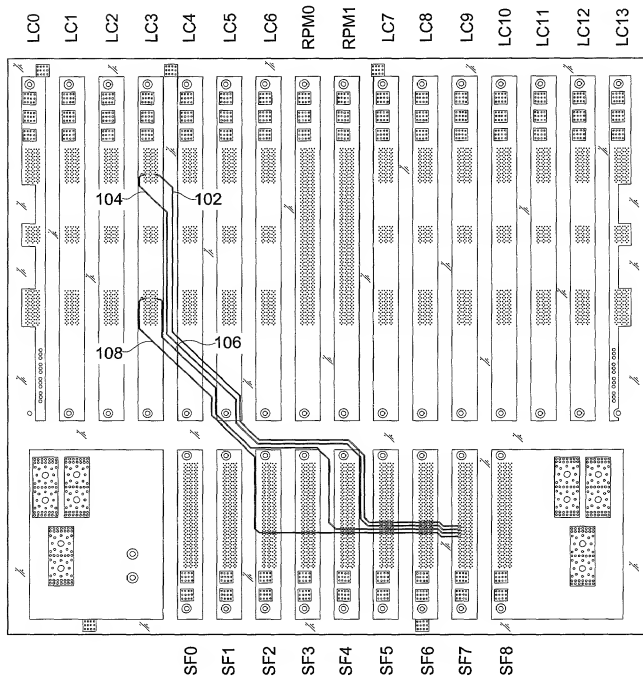


Fig. 4

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1006413-020502

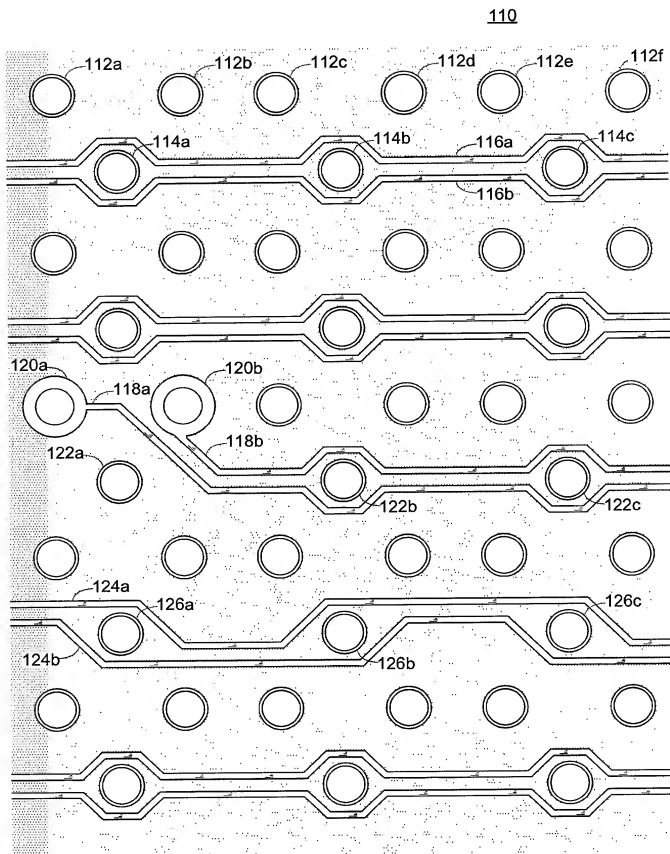


Fig. 5

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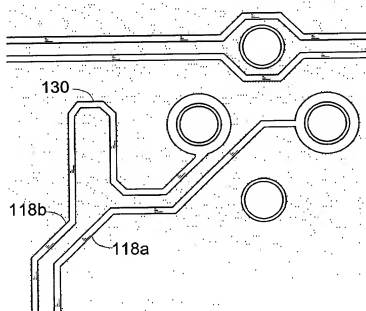


Fig. 6

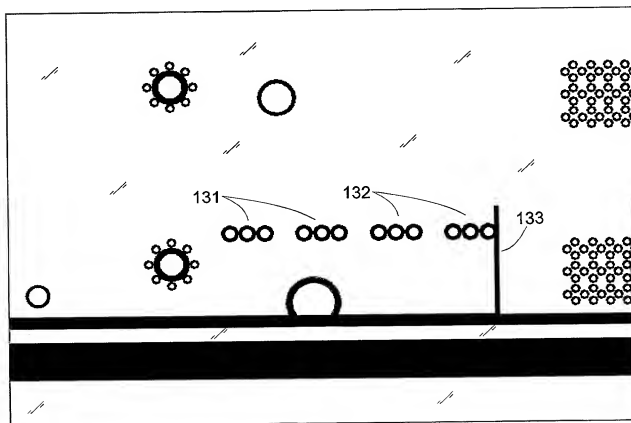


Fig. 7A

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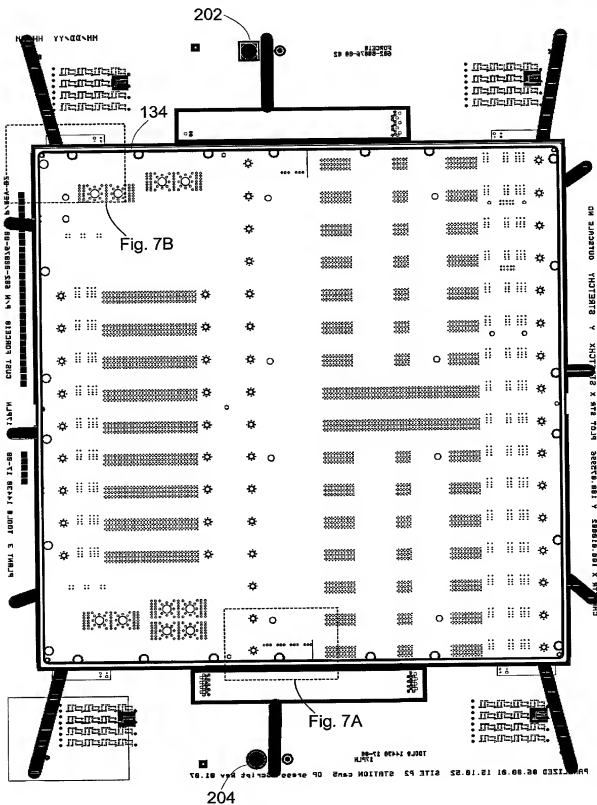


Fig. 7

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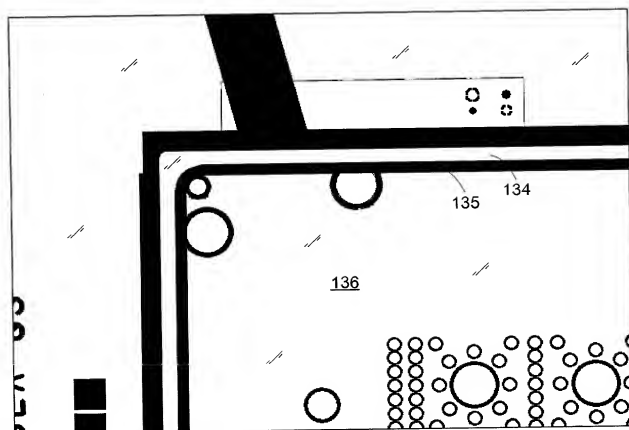
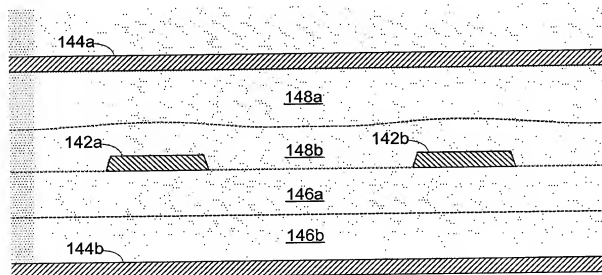


Fig. 7B



140

Fig. 10


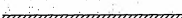


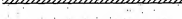

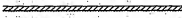
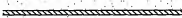
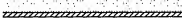
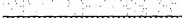


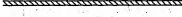
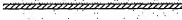

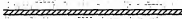

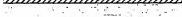

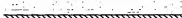



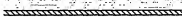
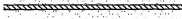
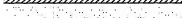
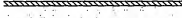
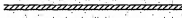
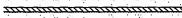
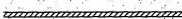



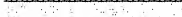
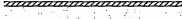
| Conductive Layers |           |              | 8/18  | Insulating Layers |           |
|-------------------|-----------|--------------|---|-------------------|-----------|
| Layer No.         | Thickness | Type         |   | Type              | Thickness |
| L01 --{           | 2.0       | Foil/Plating |   |                   |           |
|                   | 1.2       | Pads         |    | Mask              | 0.7       |
| L02               | 1.4       | GND          |    | B-stage           | 5.4       |
| L03               | 1.4       | HS1          |    | Core              | 7.5       |
| L04               | 1.4       | GND          |    | B-stage           | 6.9       |
| L05               | 1.4       | HS2          |    | Core              | 7.5       |
| L06               | 1.4       | GND          |    | B-stage           | 6.9       |
| L07               | 1.4       | HS3          |    | Core              | 7.5       |
| L08               | 1.4       | GND          |    | B-stage           | 6.9       |
| L09               | 1.4       | HS4          |    | Core              | 7.5       |
| L10               | 1.4       | GND          |    | B-stage           | 6.9       |
| L11               | 1.4       | HS5          |    | Core              | 7.5       |
| L12               | 1.4       | GND          |    | B-stage           | 6.9       |
| L13               | 1.4       | Signal x1    |    | LS Core           | 5.0       |
| L14               | 1.4       | Signal y1    |    | LS B-stage        | 4.0       |
| L15               | 1.4       | GND          |    | LS Core           | 5.0       |
| L16               | 5.6       | A 48V rtn    |    | LS B-stage        | 6.0       |
| L17               | 5.6       | A 48V dc     |    | LS Core           | 6.0       |
| L18               | 5.6       | B 48V dc     |    | LS B-stage        | 8.8       |
| L19               | 5.6       | B 48V rtn    |    | LS Core           | 6.0       |
| L20               | 1.4       | GND          |    | LS B-stage        | 6.0       |
| L21               | 1.4       | Signal y2    |    | LS Core           | 5.0       |
| L22               | 1.4       | Signal x2    |    | LS B-stage        | 4.0       |
| L23               | 1.4       | GND          |    | LS Core           | 5.0       |
| L24               | 1.4       | HS6          |    | B-stage           | 6.9       |
| L25               | 1.4       | GND          |    | Core              | 7.5       |
| L26               | 1.4       | HS7          |    | B-stage           | 6.9       |
| L27               | 1.4       | GND          |    | Core              | 7.5       |
| L28               | 1.4       | HS8          |    | B-stage           | 6.9       |
| L29               | 1.4       | GND          |    | Core              | 7.5       |
| L30               | 1.4       | HS9          |    | B-stage           | 6.9       |
| L31               | 1.4       | GND          |    | Core              | 7.5       |
| L32               | 1.4       | HS10         |  | B-stage           | 6.9       |
| L33               | 1.4       | GND          |  | Core              | 7.5       |
| L34 --{           | 1.2       | Pads         |  | B-stage           | 5.4       |
|                   | 2.0       | Foil/Plating |  | Mask              | 0.7       |

Fig. 8



| Conductive Layers |           |              | 9/18 | Insulating Layers |           |
|-------------------|-----------|--------------|------|-------------------|-----------|
| Layer No.         | Thickness | Type         |      | Type              | Thickness |
| L01               | 2.0       | Foil/Plating |      | Mask              | 0.7       |
| L02               | 1.2       | Pads         |      | B-stage           | 5.4       |
| L03               | 1.4       | GND          |      | Core              | 7.5       |
| L04               | 1.4       | HS1          |      | B-stage           | 6.5       |
| L05               | 1.4       | GND          |      | Core              | 7.5       |
| L06               | 1.4       | HS2          |      | B-stage           | 6.5       |
| L07               | 1.4       | GND          |      | Core              | 7.5       |
| L08               | 1.4       | HS3          |      | B-stage           | 6.5       |
| L09               | 1.4       | GND          |      | Core              | 7.5       |
| L10               | 1.4       | HS4          |      | B-stage           | 6.5       |
| L11               | 1.4       | GND          |      | Core              | 7.5       |
| L12               | 1.4       | HS5          |      | B-stage           | 6.5       |
| L13               | 1.4       | Signal x1    |      | Core              | 7.5       |
| L14               | 1.4       | Signal y1    |      | B-stage           | 4.0       |
| L15               | 1.4       | GND          |      | Core              | 7.5       |
| L16               | 5.6       | A 48V rtn    |      | Lam 2 B-stg       | 9.0       |
| L17               | 5.6       | A 48V dc     |      | Lam 1 B-stg       | 8.5       |
| Fig. 9            |           |              |      | Core              | 6.0       |
|                   |           |              |      | Lam 1 B-stg       | 8.5       |
|                   |           |              |      | Lam 2 B-stg       | 12.0      |
| L18               | 5.6       | B 48V dc     |      | Lam 1 B-stg       | 8.5       |
| L19               | 5.6       | B 48V rtn    |      | Core              | 6.0       |
| L20               | 1.4       | GND          |      | Lam 1 B-stg       | 8.5       |
| L21               | 1.4       | Signal y2    |      | Lam 2 B-stg       | 9.0       |
| L22               | 1.4       | Signal x2    |      | Core              | 7.5       |
| L23               | 1.4       | GND          |      | B-stage           | 4.0       |
| L24               | 1.4       | HS6          |      | Core              | 7.5       |
| L25               | 1.4       | GND          |      | B-stage           | 6.9       |
| L26               | 1.4       | HS7          |      | Core              | 7.5       |
| L27               | 1.4       | GND          |      | B-stage           | 6.9       |
| L28               | 1.4       | HS8          |      | Core              | 7.5       |
| L29               | 1.4       | GND          |      | B-stage           | 6.9       |
| L30               | 1.4       | HS9          |      | Core              | 7.5       |
| L31               | 1.4       | GND          |      | B-stage           | 6.9       |
| L32               | 1.4       | HS10         |      | Core              | 7.5       |
| L33               | 1.4       | GND          |      | B-stage           | 5.4       |
| L34               | 1.2       | Pads         |      | Mask              | 0.7       |
|                   | 2.0       | Foil/Plating |      |                   |           |

FIG. 9

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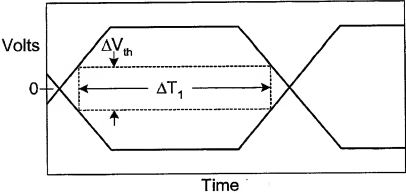


Fig. 11

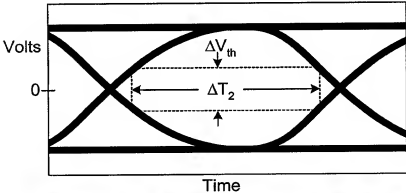


Fig. 12

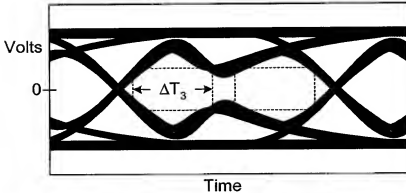


Fig. 13

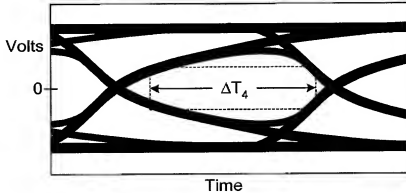


Fig. 14

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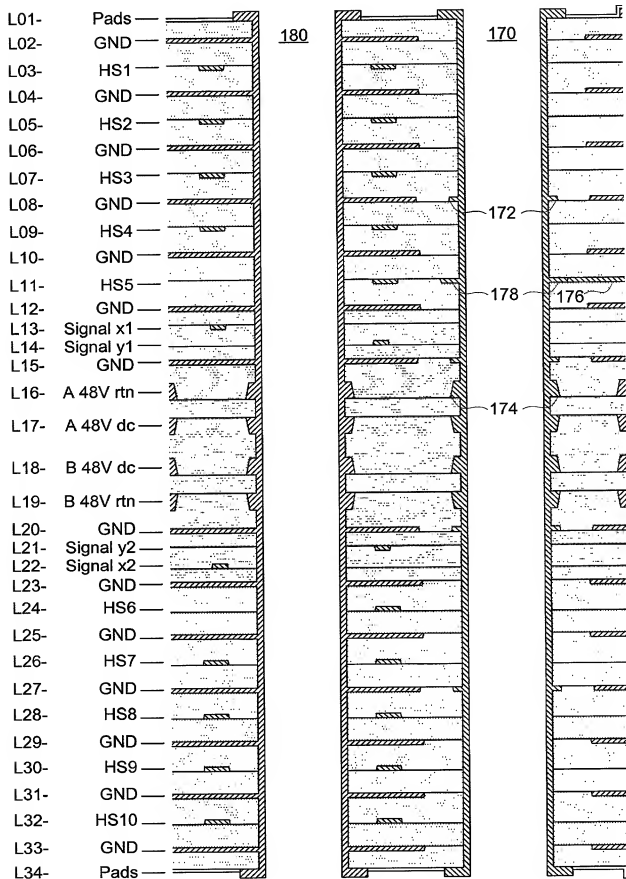
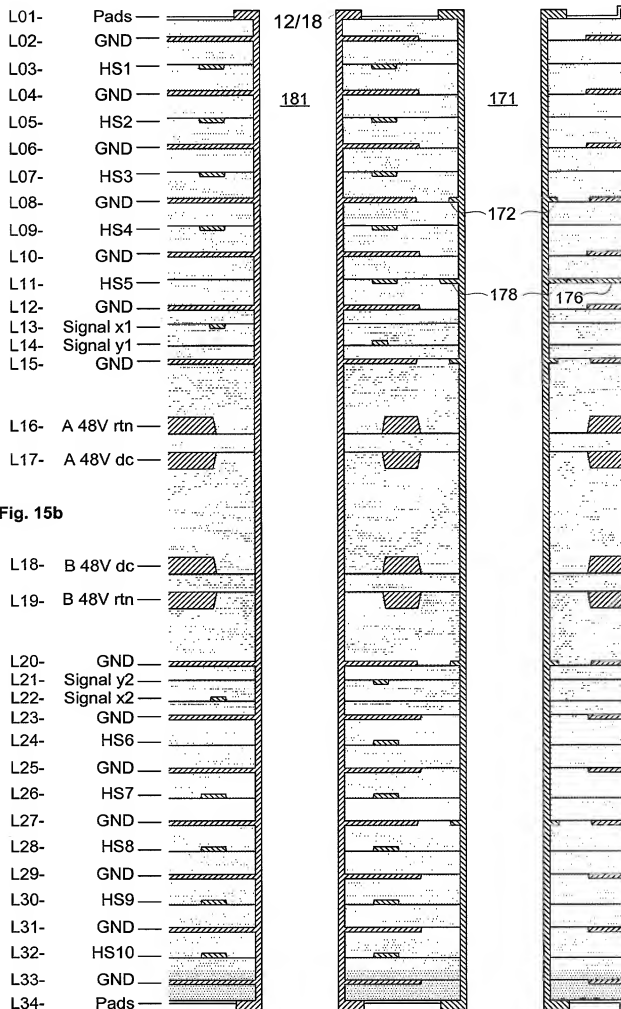


Fig. 15a



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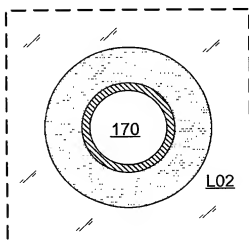


Fig. 16

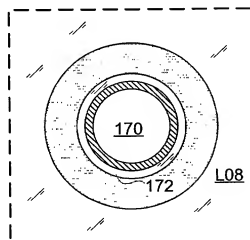


Fig. 17

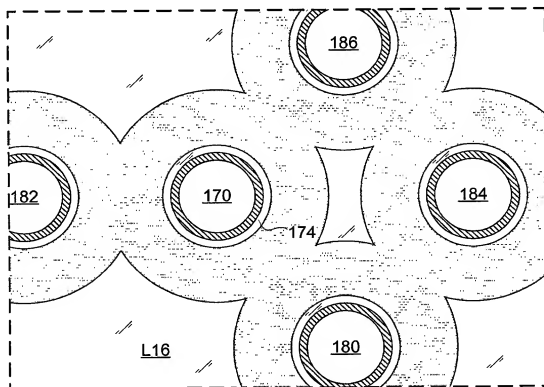


Fig. 18

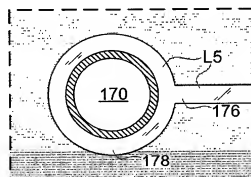
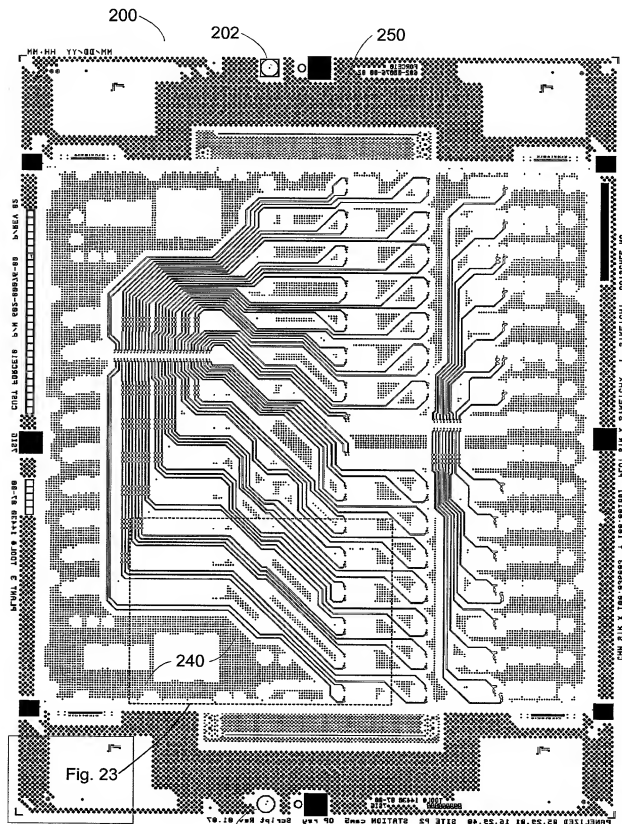


Fig. 19

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**Fig. 20**

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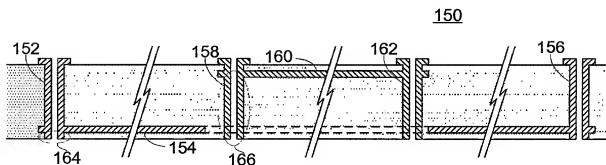


Fig. 21

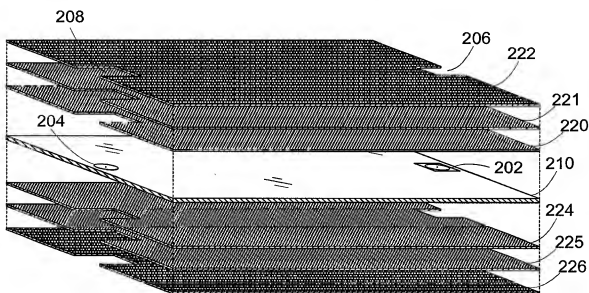


Fig. 22a

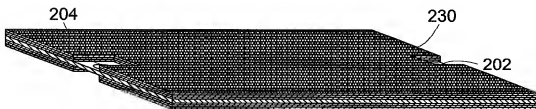


Fig. 22b

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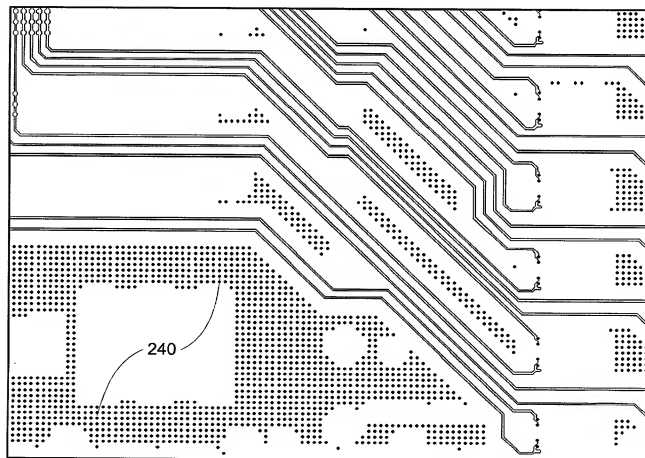


Fig. 23



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10066410-026607

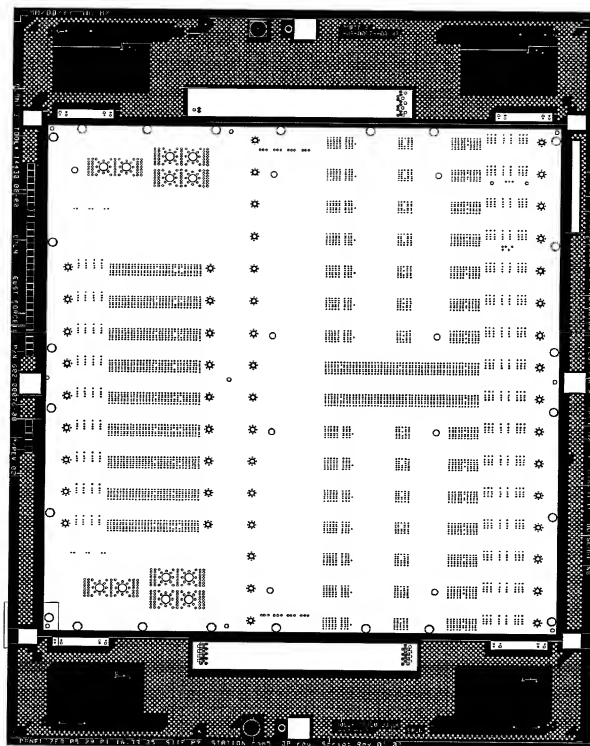


Fig. 24

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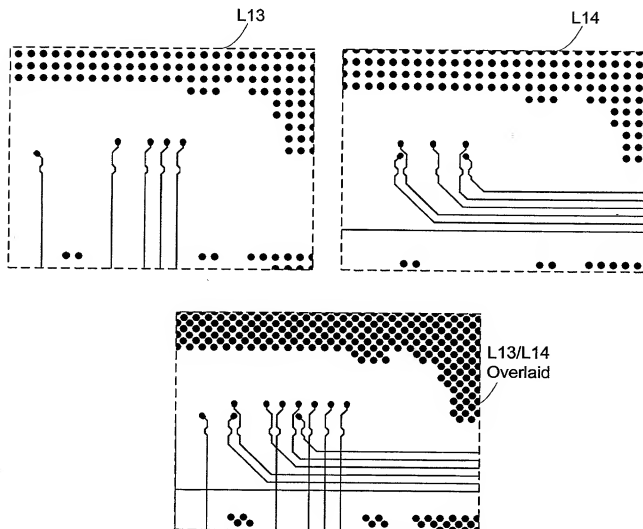


Fig. 25

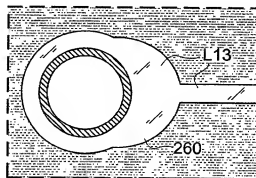


Fig. 26

205020, 91499001